

**Notice of Allowability**

Application No.

10/046,653

Applicant(s)

KARR, LAWRENCE J.

Examiner

AJIT G. PATEL

Art Unit

2664

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/26/01.
2. ☒ The allowed claim(s) is/are 1-23.
3. ☒ The drawings filed on 26 October 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                       |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                     | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance              |
|  | 9. <input type="checkbox"/> Other _____.  |

Art Unit: 2664

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Tim Sullivan on 8/1/2005.

2. The application has been amended as follows: The claims 9 and 19 have been amended as follow.

9. A system for providing a synchronization pattern for use in a wireless communications system comprising:

a transmitter configured to transmit information over a wide area on a predetermined schedule;

a mobile device including a receiver, the receiver being configured to receive the transmitted information; and

a broadcast signal, transmitted by the transmitter and including a segmented information signal that further includes a distributed synchronization pattern and a distributed frame index wherein the distributed synchronization pattern defines boundaries between groups of segments in the segmented information signal and wherein the distributed frame index identifies a particular group of segments in the segmented information signal.

wherein each segment of the segmented information signal further comprises:

a header, including one or more marker bits, a portion of the distributed synchronization pattern, and a portion of the distributed-segment frame index; and

a payload, including data.

19. A computer-readable medium encoded with a data structure for communication stream synchronization in a communications system, the data structure comprising a plurality of segments of data, wherein each segment includes at least two data fields, a

synchronization pattern field and an index field, wherein the synchronization pattern field includes a portion of a synchronization pattern that is distributed over each segment of a segmented information signal, wherein the distributed synchronization pattern defines boundaries between groups of segments in the segmented information signal synchronization pattern field and wherein the index field includes a portion of a segmented index that is distributed over a particular group of segments in the segmented information signal, wherein the segmented index distinguishes the particular group of segments from other groups of segments. ~~wherein a portion of a synchronization pattern is included in the synchronization pattern field of each segment, and a portion of an index that distinguishes the data stream from other data streams is included in the index field of each segment.~~

3. The following is an examiner's statement of reasons for allowance: The prior art of the record fails to disclose the steps of distributing the synchronization pattern over a segmented information signal, wherein the distributed synchronization pattern defines boundaries between groups of segments in the segmented information signal and distributing a segmented index over a particular group of segments in the segmented information signal, the segmented index distinguishing the particular group of segments from other groups of segments in combination of other limitations recited in claims 1,4,9,14 and 19.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AJIT G. PATEL whose telephone number is 571-272-3140. The examiner can normally be reached on MONDAY-THURSDAY.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on 571-272-3134. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Ajit Patel  
Primary Examiner

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